

INTERNATIONAL SEARCH REPORT

International application No.
PCT/AU2005/000552

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: G01N 21/01, 21/17, 33/543

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DWPI, JAPIO Keywords: biochip, protein chip, dna chip, lab on a chip, on chip; microfluidic; optic, opto, fluores, photo, waveguide, evanesc, light, led, refracti index, G01N 21/-; monolithic, single chip, disposable, single use; incorporat, integrat; hybrid, bind, assay

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5841914 A (SHIEH et al.) 24 November 1998 Columns 1, 3-6, Figures 2-4	1, 25, 31, 34-36
X	WO 1999/027351 A1 (LOCKHEED MARTIN ENERGY RESEARCH CORPORATION) 3 June 1999 Pages 4, 14-17, 24, 54, 143-145, Figures 3A, 3B	1-2, 13-14, 27-31, 34-36
X	US 2003/0059820 A1 (VO-DINH) 27 March 2003 Paragraphs 80-81, Figure 3	34-37

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents:	
"A" document defining the general state of the art which is not considered to be of particular relevance	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&" document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 12 August 2005	Date of mailing of the international search report 18 AUG 2005
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C (Continuation).

DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/0035755 A1 (CHEN et al.) 20 February 2003 Pages 2-6, Figures 5-6	34-36
X	WO 2000/043552 A2 (LOCKHEED MARTIN ENERGY RESEARCH CORPORATION) 27 July 2000 Abstract	34-36

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/AU2005/000552

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
US	5841914	AU	27236/97	CA	2251942
		FR	2747783	ID	16829
		WO	9739370	EP	0894276
WO	9927351	US	5671303	CA	2311502
		AU	17051/99	EP	1034424
		CA	2421748	US	6673596
		US	6117643	US	6905834
US	2003059820	WO	0223168	CA	2311466
		AU	16093/99	US	6197503
		EP	1034305	WO	2005043109
		US	6448064	WO	2005043109
US	2003035755	NONE			
WO	0043552	CA	2358699	EP	1151139
		AU	27400/00	EP	1151139
		US	6743581		
Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.					
END OF ANNEX					